

2076 seq.ST25.txt  
SEQUENCE LISTING

<110> Ascenzi, Robert

Boyes, Douglas

Hoffman, Neil

Davis, Keith

Zayed, Adel

Mulpuri, Rao

Woessner, Jeffrey

Gorlach, Jorn

Hamilton, Carol

Phillips, Kenneth

<120> METHODS FOR THE IDENTIFICATION OF INHIBITORS OF  
3-OXO-5-ALPHA-STEROID 4-DEHYDROGENASE EXPRESSION OR ACTIVITY IN PLANTS

<130> Docket No: 2076US

<160> 2

<170> PatentIn version 3.0

<210> 1

<211> 789

<212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc\_feature

<223> TIGR T8P21.4

<400> 1

atggaagaaa tcgccgataa aaccttcttc cgatactgtc tcctcactct tattttcggc  
60

ggcccaccaa ccgccgtcct tctgaaattc ctccaagctc cttacggtaa acacaaccgt  
120

accggatggg gtcccaccgt atctccaccg attgcttggt tcgtcatgga gagcccaacc  
180

ttgtggctca ctctcctcct ctcccccttt ggtcgtcacg ctctcaacc taaatctcta  
240

cttctattct ctctttatct cattcattac ttccaccgca ccatcattta ccctcttcgc  
300

ctcttccgca gtccttccc cgccggtaaa aacggatttc cgatcaccat cgccgccttg  
360

gctttcacct ttaatctcct caatggttat atccaggcga ggtgggtttc gcattacaag  
420

gatgactacg aagacggaaa ctggttctgg tggcggtttg ttatcgggat ggtgggtttc  
480

ataaccggca tgtatataaa tatcacgtcg gaccggactt tggtacgatt gaagaaagag  
540

aaccggggag gttatgtgat accgagagga ggctggttcg agttggtaag ctgtccgaat  
600

tattttggag aggcgattga gtggttgggc tgggctgtta tgacttggtc ttgggccggt  
660

attggatttt ttctgtacac gtgttccaat ttgtttccgc gtgcacgtgc gagtcacaag

2076 seq.ST25.txt

720

tggtacattg ccaagttcaa ggaagagtat cccaagactc gtaaagctgt tattcctttt  
780

gtgtactga  
789

<210> 2

<211> 262

<212> PRT

<213> Arabidopsis thaliana

<400> 2

Met	Glu	Glu	Ile	Ala	Asp	Lys	Thr	Phe	Phe	Arg	Tyr	Cys	Leu	Leu	Thr	1	5	10	15
Leu	Ile	Phe	Ala	Gly	Pro	Pro	Thr	Ala	Val	Leu	Leu	Lys	Phe	Leu	Gln	20	25	30	
Ala	Pro	Tyr	Gly	Lys	His	Asn	Arg	Thr	Gly	Trp	Gly	Pro	Thr	Val	Ser	35	40	45	
Pro	Pro	Ile	Ala	Trp	Phe	Val	Met	Glu	Ser	Pro	Thr	Leu	Trp	Leu	Thr	50	55	60	
Leu	Leu	Leu	Phe	Pro	Phe	Gly	Arg	His	Ala	Leu	Asn	Pro	Lys	Ser	Leu	65	70	75	80
Leu	Leu	Phe	Ser	Pro	Tyr	Leu	Ile	His	Tyr	Phe	His	Arg	Thr	Ile	Ile	85	90	95	
Tyr	Pro	Leu	Arg	Leu	Phe	Arg	Ser	Ser	Phe	Pro	Ala	Gly	Lys	Asn	Gly	100	105	110	
Phe	Pro	Ile	Thr	Ile	Ala	Ala	Leu	Ala	Phe	Thr	Phe	Asn	Leu	Leu	Asn	115	120	125	
Gly	Tyr	Ile	Gln	Ala	Arg	Trp	Val	Ser	His	Tyr	Lys	Asp	Asp	Tyr	Glu	130	135	140	

2076 seq.ST25.txt

Asp	Gly	Asn	Trp	Phe	Trp	Trp	Arg	Phe	Val	Ile	Gly	Met	Val	Val	Phe
145					150					155					160
Ile	Thr	Gly	Met	Tyr	Ile	Asn	Ile	Thr	Ser	Asp	Arg	Thr	Leu	Val	Arg
				165					170					175	
Leu	Lys	Lys	Glu	Asn	Arg	Gly	Gly	Tyr	Val	Ile	Pro	Arg	Gly	Gly	Trp
			180					185					190		
Phe	Glu	Leu	Val	Ser	Cys	Pro	Asn	Tyr	Phe	Gly	Glu	Ala	Ile	Glu	Trp
		195					200					205			
Leu	Gly	Trp	Ala	Val	Met	Thr	Trp	Ser	Trp	Ala	Gly	Ile	Gly	Phe	Phe
	210					215					220				
Leu	Tyr	Thr	Cys	Ser	Asn	Leu	Phe	Pro	Arg	Ala	Arg	Ala	Ser	His	Lys
225					230					235					240
Trp	Tyr	Ile	Ala	Lys	Phe	Lys	Glu	Glu	Tyr	Pro	Lys	Thr	Arg	Lys	Ala
				245					250					255	
Val	Ile	Pro	Phe	Val	Tyr										
			260												